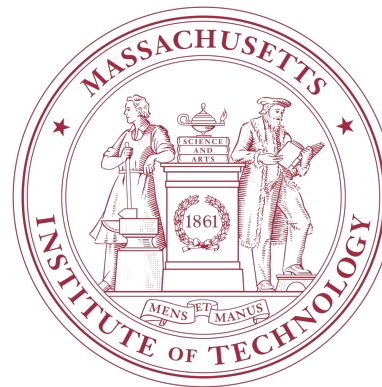


Massachusetts Institute of Technology

This is to certify that

Paulo Henrique Schmidt Castellani



has successfully completed the

Architecture & Systems Engineering: Models and Methods to Manage Complex Systems **PROFESSIONAL CERTIFICATE PROGRAM**

September 12, 2016 - March 12, 2017

(8.5 Continuing Education Units Awarded)



Bhaskar Pant
Executive Director
MIT Professional Education



Dr. Bruce Cameron
Director, System Architecture Lab
Massachusetts Institute of Technology